(paper # 0712 1/2)

	-				ATTY DOCKET NO.	APPLICATION NO.				
BIPI	E NEW	DMATION DICCI OCUDE	CITATION	MCO-10402/08 APPLICANT(S)			10/774.129			
1.	IIALO	RMATION DISCLOSURE (Use several sheets if neces	SARV)		Leach et al.					
JUL 1	2 2004	M	ou.,,,		FILING DATE			NIT		
JUL		Ä	•		February 6, 20			3742 17	725	
·EXAMINER	TIBEL	,	U.	S. PATENT	DOCUMENTS					
EXAMINER INITIAL		DOCUMENT: NUMBER	DATE	NAME CLAS			SUBCLASS	FILING DAT		
Cf		US 2,021,477 11/1935				219	108			
Ø		US 2,306,593	12/1942	Collom		219	110			
CX		US 2,349,835	5/1944	Stricklan	d, Jr.	219	89			
CL		US 2,415,082	2/1947	Burr	<u> </u>	219	86.15			
04		US 2,474,816	7/1949	Briggs		219	4	<u></u>		
	, 		U.S. PATEN	NT APPLIC	ATION PUBLICATIONS	•				
*EXAMINER		DOCUMENT NUMBER	DATE		NAME .	CLASS	CLASS SUBCLASS	FILING DATE IF APPROPRIATE		
		· .			<u> </u>					
, to,"					·			·		
		·			· · · · · · · · · · · · · · · · · · ·	<u> </u>				
	· · · · · ·		FORE	IGN PATE	NT DOCUMENTS	T	1	TRANS	ATION	
		DOCUMENT NUMBER	DATE		COUNTRY		SUBCLASS	TRANSLATION YES NO		
.•										
					· · · · · · · · · · · · · · · · · · ·		<u> </u>			
		·								
		•					<u>.</u>			
1		OTHER DOCUME	NTS (Includin	ng Author	, Title, Date, Pertinent i	Pages, Etc.)			
OA.		Ariel Stiebel, Charles U Technical Paper Series	lmer, Dietrich Ko #860579, Interna	odrack, Ba tional Con	rry Holmes, "Monitoring gress and Exposition, Detr	and Control oit, MI, Feb	of Spot Weld O ruary 24-28, 19	perations," 86.	SAE	
	·				·····					
EXAMINE	R	C. SHALL			DATE CONSIDERED .	2/01/-	2005			
					L/					
*EXAMINE considered	:H: Initial I. Includ	I if reference considered, whether e copy of this form with next co	er or not citation is mmunication to ap	in conform plicant.	nance with MPEP 609; Draw	line through o	itation if not in c	onformance	and not	

Form PTO-A820 (also form PTO-1449)

paper # 0712 ATTY DOCKET NO. APPLICATION NO. MCO-10402/08 10/774,129 INFORMATION DISCLOSURE CITATION Leach et al. (Use several sheets if necessary) **GROUP ART** FILING -3742 1725 February 6, 2004 **U.S. PATENT DOCUMENTS** FILING DATE *EXAMINER DOCUMENT NUMBER SUBCLASS DATE CLASS NAME IF APPROPRIATE 8/1968 219 US 3,396,260 Waltonen 89 6/1975 219 US 3,889,094 Needham 89 12/6/1983 Stiebel US 4,419,558 219 109 4/2/1996 Steibel et al. 219 89 US 5,504,297 5/1984 US 4,447,697 Dunne et al. 219 86.41 **U.S. PATENT APPLICATION PUBLICATIONS** *EXAMINER FILING DATE DOCUMENT NUMBER DATE NAME CLASS SUBCLASS INITIAL IF APPROPRIATE **FOREIGN PATENT DOCUMENTS** TRANSLATION DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS YES **OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

C, SHAW

EXAMINER

DATE CONSIDERED

paper#3712 3/7)

INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)						MCO-10402/0		10/774,129			
						Leach et al.					
		,	Joseph Marie	sury,		FILING		GROUP ART	2742 ()		
				U.	e paten	February 6, 20	04		3742 / 7	ري_	
*EXAMINER		T	The second secon		J. FAIL		7	211201 AGE	FILING DAT	TE .	
INITIAL	 	├	DOCUMENT NUMBER	DATE	 	NAME	CLASS	SUBCLASS	IF APPROPI		
G/		US 4,4	473,734	9/1984	Henry	·	219	86.8	<u> </u>		
CX		US 4,5	504,725	3/1985	Beneteau		219	86.25			
CA		US 4,5	517,435	5/1985	Humblot		219	89		٠.	
ch		US 4,5	550,236	10/1985	Nakadate	et al.	219	86.31			
d		US 4,5	551,605	11/1985	Numata e	et al.	219	86.31			
				U.S. PATEN	IT APPLIC	ATION PUBLICATIONS					
*EXAMINER			DOCUMENT NUMBER	DATE	·	NAME	CLASS	SUBCLASS	FILING DATE		
						•					
			*								
						<u> </u>					
·				1			-	 			
				FORE	IGN PATE	ENT DOCUMENTS	1	<u> </u>			
		·	DOCUMENT NUMBER	DATE		COUNTRY .	CLASS	SUBCLASS		LATION	
		ĺ				·			YES .	NO	
		i ·					<u> </u>	+		 	
	\longrightarrow			·	 						
							 	 		 	
 				<u> </u>							
						•	<u> </u>				
			OTHER DOCUMEN	VTS (Including	g Author,	, Title, Date, Pertinent F	ages, Etc.)				
					٠.			•			
·	_	<u>.</u>									
				•				_ ,			
								·			
EXAMINER	ı	C	· SHAW			DATE CONSIDERED	12/01	/2005	/		
*EXAMINEF	R: Initia	al if refer		r or not citation is	in conform	ance with MPEP 609; Draw I		<u> </u>		and not	

Form PTO-A820 (also form PTO-1449) Copyright 1994-97 LegalStar

P09C/REV04

(pepar #0712,417)

	INFC	DRMATION DISCLOSURE	MCO-10402/0		10/774,129				
•		(Use several sheets if necess	iary)		Leach et al.		GROUP ART	13	
			U.	C PATEN	February 6, 20	04		3742 17	دے
*EXAMINER		DOCUMENT NUMBER	DATE .		NAME	CLASS	SUBCLASS	FILING DAT	TE
INITIAL	-	US 4,684,778	8/1987	Cecil		219	116	IF APPROP	RIATE
4		·		 		 		 	
CA		US 4,771,160	9/1988	Pitsch et	al.	219	90		
GŁ		US 4,947,017	8/190	Beck		219	86.25	<u> </u>	
OF		US 4,985,612	1/1991	Izume et	al.	219	116		
Cf		US 5,099,099	3/1992	Saito		219	89		
		·	U.S. PATEN	NT APPLIC	CATION PUBLICATIONS				
*EXAMINER		DOCUMENT NUMBER	DATE		NAME	CLASS	SUBCLASS	FILING DAT	
·							ì		
	` `				· · · · · · · · · · · · · · · · · · ·				
			FORE	IGN PATE	INT DOCUMENTS				
	DOCUMENT NUMBER DATE				COUNTRY	CLASS	SUBCLASS		SLATION
							+	YES	NO
•	\Box						+		
					•	 		 	
	\vdash	,				 		<u> </u>	ļ
-	$\vdash \vdash$			<u> </u>			ļ		
						·			
· ·		OTHER DOCUMEN	πs (Includin	g Author,	, Title, Date, Pertinent F	Pages, Etc.)		
·									
·				<u>.</u>					
EXAMINER	t	C. SHAW). ·		DATE CONSIDERED	12/2	01/200-	5	
*EXAMINER considered.	R: Initia	Il if reference considered, whether de copy of this form with next com	r or not citation is	in conform plicant.	ance with MPEP 609; Draw I				and not

Form PTO-A820 (also form PTO-1449) Copyright 1994 LegalStar

P09C/REV04

paper # 0712, 5/7

						ATTY DOCKET NO. MCO-10402/0	APPLICATION NO. 10/774,129				
	INF		TION DISCLOSURE se several sheets if necess			Leach et al.					
		• •		,,		FILING February 6, 2004			GROUP ART		
				U.f	S. PATENT	DOCUMENTS		······································			
*EXAMINER		T	DOCUMENT NUMBER	DATE		NAME	CLASS	SUBCLASS '	FILING DAT		
Cof		US 5,	113,053	5/1992	Umeda et	al.	219	11.6		11411	
ex		US 5,	117,337	5/1992	Sakuma		296	97.5			
CX	·	US 5,	225,647	7/1993	Dufrenne		219	86.51			
G		US 5,	252,801	10/1993	Angel et a	d.	219	86.61			
CX		US 5,	340,960	8/1994	Takasaki	et al.	219	86.7			
				U.S. PATEN	IT APPLIC	ATION PUBLICATIONS					
*EXAMINER	DOCUMENT NUMBER DATE					NAME .	CLASS	SUBCLASS FILING D			
							,				
				·	·						
					•						
				FORE	IGN PATE	NT DOCUMENTS					
			DOCUMENT NUMBER	DATE	COUNTRY			SUBCLASS	TRANS YES	NO .	
		·									
				٠.							
	·	<u> </u>									
	•		OTHER DOCUMEN	ιτ s (Including	g Author,	Title, Date, Pertinent P	ages, Etc.)			
						·		· ·		,	
			•					· · · · · · · · · · · · · · · · · · ·			
						•					
EXAMINE	R _		C, SHAW			DATE CONSIDERED	12/0	01/200.	5	•	
*EXAMINE considered	R: Init J. Inch	al if refe	prence considered, whether	r or not citation is nmunication to app	In conforma	ance with MPEP 609; Draw I	ne through c	itation if not in co	nformance	and not	

Form PTO-A820 (also form PTO-1449) P09C/REV04

Patent and Trademark Office * U.S. DEPARTMENT OF COMMERCE

Peper # 0712, 6/7

INFORMATION DISCLOSURE CITATION					ATTY DOCKET NO.	APPLICATION NO.				
					MCO-104	02/08	10/774,129			
_	INFU				APPLICANT(S)					
,		(Use several sheets if nece	assary)		Leach et al. FILING DATE		GROUP ART U	AUT		
								3742 17	25	
		· ·			February (), 2004	•	3742 L7	2	
			U.	.S. PATENT	F DOCUMENTS					
*EXAMINER		DOCUMENT NUMBER	DATE		NAME	CLASS	SUBCLASS	1	ILING DATE FAPPROPRIATE	
OH.		US 5,386,092	1/1995	Dufrenne	5	219	86.32			
Ct		US 5,405,075	4/1995	Narita et	al.	228	102			
Ct		US 5,412,172	5/1995	Ichikawa	et al.	219	86.41			
CH		US 5,528,011	6/1996	Kono et a	al.	219	86.41			
OF		US 5,582,747	12/1996	Sakai et a	al.	219	86.41			
			U.S. PATE	NT APPLIC	ATION PUBLICATIONS	S				
*EXAMINER	DOCOMENT NUMBER DATE				NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
		·								
			FOR	EIGN PATE	NT DOCUMENTS					
		DOCUMENT NUMBER	DATE	COUNTRY CLAS			SUBCLASS	TRANS	NO NO	
								·		
			<u> </u>						•	
		OTHER DOCUM	ENTS (Includir	ng Author,	, Title, Date, Pertine	ent Pages, Etc.) ·			
						•		,		
	\dashv									
			·							
EXAMINER		C, SHAW			DATE CONSIDERED	12/0	1/2005			
	<u> </u>				<u> </u>		<u></u> .			
EXAMINER considered.	ন: Initia . Inclu:	al if reference considered, wheth de copy of this form with next co	ner or not citation is ommunication to ar	in conformation in the policant.	ance with MPEP 609; D	raw line through c	itation if not in co	onformance	and not	

Form PTO-A820 (also form PTO-1449) P09C/REV04

Patent and Trademark Office * U.S. DEPARTMENT OF COMMERCE

Papa #0712, 7/7

INCORMATION BIOOL COURT SITATION					MCO-10402/08		10/774,129			
,		MATION DISCLOSURE (Use several sheets if necess			Leach et al.					
					FiLING February 6, 200		GROUP ART	3742_/7	255	
·			U.	.S. PATEN	T DOCUMENTS) 	2-	
*EXAMINER		DOCUMENT NUMBER	DATE		NAME	CLASS	SUBCLASS	FILING DAT		
OF)	U!	S 5,789,719	8/1998	Pary et a	ıl.	219	86.25		A15	
CX	US	S 5,928,531	7/1999	Sato et al	1.	219	86.25			
A	US	S 6,271,496	8/2001	Domscho	ıt	219	86.8			
G	US	S 6,596,958	7/22/2003	Chase		219	86.25			
							Ī.			
		·	U.S. PATEN	NT APPLIC	CATION PUBLICATIONS					
*EXAMINER		DOCUMENT NUMBER	DATÉ		NAME	CLASS	SUBCLASS	FILING DATE		
					,					
									<u>-</u>	
			<u> </u>	<u> </u>				<u> </u>	.	
						<u></u>				
 	·			IGN PATE	ENT DOCUMENTS	T		774415		
		DOCUMENT NUMBER	DATE		COUNTRY	CLASS	SUBCLASS	YES YES	NO NO	
				· ·			,			
			<u> </u>							
		·				<u> </u>				
· ·		OTHER DOCUMEN	ITS (Including	g Author	r, Title, Date, Pertinent P	'ages, Etc.)	1			
EXAMINER		C. SHAU	J		DATE CONSIDERED	12/0	1/2005	5		
*EXAMINEF considered.	R: Initial if a	reference considered, whether copy of this form with next com	er or not citation is	in conform	· · · · · · · · · · · · · · · · · · ·				and not	

Form PTO-A820 (also form PTO-1449) P09C/REV04